

Mobile, Lightweight and highly Flexible Video Microscope adaptable to different applications, which demand mobility, high resolution, and fast field deployment



Crates high-resolution pictures at a large range of magnifications on your PC, CRT- TFT- or any TV Monitor



Designed for Inspection, Quality Control, Measurement and Digital Recording of magnified picture of LEAD FREE Solder Joints, PCBs, Components, Pads, etc.

Flexia C1 ESD

Video Inspection Microscope



Optimised for **lead-free** PCB Inspection, Analysis & Documentation

ESD approved



The more you can see, the more you can fix!





Mobile Video Inspection Kit Flexia C1 ESD
Art. No. OP-019 024



Video Inspection System Flexia C1 ESD
Art. No. OP-019 022



Picsara, Data Base and Measurement Software
including High Speed USB2.0 Frame Grabber
Art. No. OP-006 113



Application

- Visual Inspection, digital recording and measurement of:
- Assembled PCBs.
- Soldering.
- Pads, painted surfaces, cuts and scores.
- Stencil apertures, solder and flux mixtures.
- Components.
- Wire-Bonds.
- Connectors, cables and stripped wires.
- Pick-and-place heads.
- Hybrid- and flexible boards.
- LCD displays.
- Documentation and Digital Picture/video Recording.
- Real time presentation.

Specification

- Image Sensor • 1/4 " Sony SuperHAD™ Color CCD
- Video Signal • Composite PAL, 1 V t-t/75 Ω (NTSC as option)
- Magnification • 20-70x with std. Zoom lens. 1-60x with optional Zoom lens & 100x, 170x and 250x fixed magnifications on 14" monitor
- Focusing range • ~ 10 – 80 mm (~ 8 – ∞ mm with 1-60x zoom lens)
- Field of view • ~ 4 – 15 mm (~ 5 – 500 mm with 1-60x zoom lens)
- Illumination • Integrated Ring Light, white LED, 4000 mcd
- Storage Environment • -20° – +60° C, Max 98% RH, non-condensing
- Operating Environment • 0° – +45° C, Max 95% RH, non-condensing
- Power Source • 14.0±2.0 VDC, 200 mA min. Via Power supply or powered directly by Handheld 4.0" Monitor (4 hours continuous drift).
- Size/Weight • 140x50x36 mm (LxHxW). 180 gr. Max.
- Monitor • Mobile, Handheld 4.0" TFT active matrix, 480x234 pixels
Bench-top 6.8" TFT active matrix, 1152x234 pixels
- ESD Approval • Complies to EN 100 015-01, IEC 61340-5-1, IEC 61340-5-2
- Accessories • Side viewing lenses. Borescope lenses. Ring light.
Various Focusing Stands.
USB2.0 or PCMCIA (Cardbus) PC adapters for recording digital pictures.
Software for Measurements, Analysis & Image Archiving.
Aluminium transport case with shoulder strap.
Battery Unit.

Optilia Instruments AB

Head Office:
Djupdalsvägen 22
S-192 51, Sollentuna
Sweden
Phone: +46 (0)8 35 33 60
Fax: +46 (0)8 35 33 63
E-mail: Info@optilia.se
Web: www.optilia.com

Distributor:

Ordering information:

Item	Article No.
Flexia C1 Zoom, Basic Kit ESD Protected	OP-019 003
Mobile Video Inspection Kit Flexia C1, ESD	OP-019 024
Video Inspection System Flexia C1, ESD	OP-019 022
170x Fixed Focal Length Objective	OP-019 113
250x Fixed Focal Length Objective	OP-019 114
Ring Light White LED	OP-019 111
Picsara, Database & Measurement Software	OP 006 113
PCMCIA (Cardbus) Frame Grabber	OP 006 072
Focusing Stand, Large Board, Antistatic	OP-006 048

Cimbian UK Ltd. □

T: +44 (0)1243 582555 □

F: +44 (0)1243 582888 □

www.cimbian.co.uk □

sales@cimbian.co.uk

